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Application No. 10/628,556
Amendment dated October 5, 2005
Reply to Office Action of April 6, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently amended) A casing for a turbofan engine, ~~the engine including~~
substantially encasing at least a fan assembly, a compressor assembly, a combustor
assembly and a turbine assembly, the casing comprising:

a fan case portion;

an intermediate case portion; and

a gas generator case portion,

wherein the fan case portion, the intermediate case portion and the gas generator case portion
are integrally joined together, thereby forming an integral casing.

2. (Original) The casing as claimed in claim 1 wherein the fan case portion, the
intermediate case portion and the gas generator case portion are made of the same material.

3. (Original) The casing as claimed in claim 1 wherein the intermediate case
portion further comprises an integral compressor shroud portion and an integral bearing
mount portion.

4. (Original) The casing as claimed in claim 3 wherein the bearing mount
portion is configured to provide integral damping to a shaft bearing.

5. (Original) The casing as claimed in claim 1 wherein the individual fan case
portion, the intermediate case portion and the gas generator case portion are fabricated
individually and welded together.

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6. (Original) The casing as claimed in claim 1 wherein the fan case portion, the intermediate case portion and the gas generator case portion are joined together by flangeless connections.

7. (Original) A bypass turbofan engine comprising:
at least a fan, a compressor, and a gas generator disposed in flow series within the engine, and a bypass airflow defined around at least the compressor and gas generator; and
a one-piece casing substantially encasing the fan, compressor and gas generator.

8. (Original) A turbofan engine as claimed in claim 7 wherein the casing further comprises an integral compressor shroud encircling blade tips of the compressor.

9. (Original) A turbofan engine as claimed in claim 8 wherein the casing further comprises an integral bearing seat for directly mounting a compressor shaft bearing to the casing.

10. (Original) A turbofan engine as claimed in claim 9 wherein bearing seat is configured to provide integral damping to the compressor shaft bearing.

11. (Original) The turbofan engine as claimed in claim 7 wherein the casing at least partially defines a by-pass air flow passage within the engine.

12. (Original) A turbofan engine for an aircraft comprising:
a rotating assembly including a propulsive fan portion, a compressor portion, and a gas generator portion, the rotating assembly having an axial length; and
a generally tubular casing assembly enveloping the rotating assembly substantially along the axial length thereof and thereby defining a main flow path through the engine, wherein the casing assembly is an integrated single piece.

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13. (Original) The turbofan engine for aircraft as claimed in claim 12 wherein the casing assembly further comprises a integral shroud section encircling a plurality of compressor blade tips of the compressor portion.

14. (Original) The turbofan engine for aircraft as claimed in claim 12 wherein the casing assembly further comprises an integral bearing seat for operatively supporting a compressor shaft of the compressor portion.

15. (Original) The turbofan engine for aircraft as claimed in claim 12 wherein the casing defines at least a portion of a by-pass air duct of the engine.

16 to 23. (Previously Cancelled)